



04-22-02

1614

#4

BD

Dkt. No. 37174/10

4-26-02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicants : Rajiv Chopra, et al.

Appn. No. : 09/955,737

Filed : September 19, 2001

For : CRYSTAL STRUCTURE OF BACE AND USES THEREOF

Art Unit : 1614

"Express Mail" mailing label no. EL565810289US

Date of Deposit: April 19, 2002

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner for Patents, Washington, D.C. 20231.

Name: Craig J. Arnold

Signature:

**INFORMATION DISCLOSURE STATEMENT RECEIVED**

Commissioner for Patents  
Washington, D.C. 20231

APR 24 2002

TECH CENTER 1600/2900

Sir:

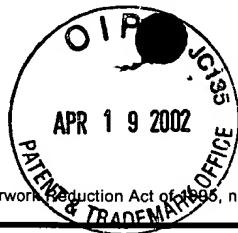
Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, applicants enclose herewith Form PTO/SB/08B and copies of the references listed thereon that were cited in a Search Report that was mailed on February 13, 2002 by the International Searching Authority in connection with a related PCT application. The Examiner is respectfully requested to fully consider the references and to independently ascertain their teaching. No fee is deemed necessary in connection with the filing of this Amendment. If any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 01-1785.

Respectfully submitted,

AMSTER, ROTHSTEIN & EBENSTEIN  
Attorneys for Applicants  
90 Park Avenue  
New York, New York 10016  
(212) 697-5995

By   
Craig J. Arnold, Reg. No. 34,287

Dated: April 19, 2002  
New York, New York



PTO/SB/08B (10-01)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

1

### Complete if Known

Application Number	09/955,737
Filing Date	September 19, 2001
First Named Inventor	Rajiv Chopra
Group Art Unit	1614
Examiner Name	Not known

Attorney Docket Number 37174/10

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T2
	1	Hong, et al., Structure of the Protease Domain of Memapsin 2 (Beta-Secretase) Complexed with Inhibitor, Science 290 (5489):150.	
	2	Sauder, et al., Modeling of Substrate Specificity of the Alzheimer's Disease Amyloid Precursor Protein Beta-Secretase, J. Mol. Bio. (2000) 300(2):241-248	
	3	Vassar, et al., Beta-Secretase Cleavage of Alzheimer's Amyloid Precursor Protein by the Transmembrane Aspartic Protease BACE, Science, 286:735-741, 22 October, 1999.	RECEIVED APR 24 2002 TECH CENTER 1600/2900
	4	Scheidig, et al., Crystal Structures of Bovine Chymotrypsin and Trypsin Complexed to the Inhibitor Domain of Alzheimer's Amyloid Beta-Protein Precursor (APP) and Basic Pancreatic Trypsin Inhibitor (BPT): Engineering of Inhibitors with Altered Specificities, The Protein Society, September 1997, 6:1806-1824.	
	5	Kohno, et al., Three-Dimensional Structures of the Amyloid Beta Peptide (25-35) in Membrane-Mimicking Environment, Biochemistry 1996, 35:16094-16104.	
	6	Bailey, et al., X-ray-crystallographic Studies of Complexes of Pepstatin A and a Statine-Containing Human Renin Inhibitor with Endothiapepsin, Biochem.J. (1993) 289:363-371.	
	7	Hynes, et al., X-ray Crystal Structure of the Protease Inhibitor Domain of Alzheimer's Amyloid Beta-Protein Precursor, Biochemistry 1990, 29:10018-10023.	
	8	Zhang, et al., Sequence-specific Recognition of the Internalization Motif of the Alzheimer's Amyloid Precursor Protein by the X11 PTB Domain, The EMBO Journal, Vol. 61, No. 20:6141-6150, 1997.	
	9	Marchinkeviciene, et al., Mechanism of Inhibition of Beta-Site Amyloid Precursor Protein-cleaving Enzyme (BASE) by a Statine-based Peptide, The Journal of Biological Chemistry, Vol. 276, No. 26, Issue of June 29, 2001, 23790-23794.	
	10	Rossjohn, et al., Crystal Structure of the N-terminal, Growth Factor-like Domain of Alzheimer Amyloid Precursor Protein, Nature Structural Biology, Vol. 6, No. 4, April 1999.	

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.